

sMRT SAR *FINDER*

Constantly monitoring the 121.5MHz distress frequency, the sMRT SARfinder instantly alerts you in the event of a Man Overboard incident when it detects an activated 121.5MHz unit. With an audible and direction-bearing compass display, it allows you to locate and recover the casualty quickly and efficiently.



Audible Alarm

An alarm sounds from the unit as soon as it detects a man overboard incident.



Direction Finder

A direction-bearing compass is displayed to help you locate the MOB.



121.5 MHz

The SARfinder listens for an activated 121.5 MHz unit and alerts when detected.



Touchscreen Display

The digital touchscreen display allows users to easily interact with the unit.



PRODUCT FEATURES



STANDBY MODE
The standby mode is the default screen when not in active use



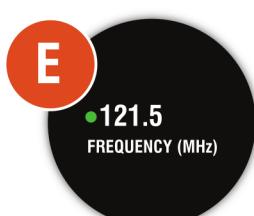
VOLUME
You can manually adjust the radio and alert volume to suit your preference



DIRECTION FINDER
The direction finder features a compass to help you locate the man overboard



TOUCHSCREEN DISPLAY
The digital touchscreen display allows users to easily interact with the unit



FREQUENCY
The frequency is displayed here and can be switched by returning to standby mode



SIGNAL STRENGTH
The signal strength bar demonstrates the distance between you and the MOB

PRODUCT OVERVIEW

The sMRT SARfinder continuously monitors the 121.5 MHz distress frequency, promptly sounding a loud audible alarm upon detecting a Man Overboard (MOB) incident. Equipped with a user-friendly digital touchscreen display, it ensures easy interaction. The integrated direction-bearing compass display tracks the MOB's location, allowing you to guide your

vessel swiftly and accurately toward them for efficient casualty recovery. With dedicated 121.5 MHz detection, this device provides a timely response to the activation of a 121.5 MHz unit, making it an essential tool for improving the reliability of localised man overboard alerting, locating and recovery.

CONTROL BOX

CONTROL BOX DIMENSIONS	165 x 95 x 65mm – Aluminium Box (excluding antenna & connectors)
CONTROL BOX WEIGHT	1000gms
MOUNTING OPTIONS SURFACE	5 years
OPERATING TEMPERATURE	210mm x 146mm (Opt 1) Bracket 260mm (Opt 2) weight 1000gms
BEARING DETECTION METHOD	Triangular phase delta
BEARING RESOLUTION ACCURACY	+15° @ 10 dBuV/m maximum

ANTENNA

ANTENNA BASE DIMENSIONS	550mm (H) x 350mm (W) – PVC Plastic
ANTENNA BASE WEIGHT	950gms
ANTENNA POLE MOUNTING BKT	50mm Internal Dial
ANTENNA GAIN	1.4 dBi nominal
ANTENNA TRIPLE COAX CABLE	Impedance: 75 Ω Capacitance 60pF / m Attenuation / 10m: 0.28 dB @ 1.5 MHz, 2 dB @ 100 MHz, 4.7 dB @ 500 MHz Attenuation / 100 m: 20 dB @ 100 MHz Diameter: 7.2 mm Operating temperature: -20°C + 70°C Coaxial Type : Triple RG179B/U

GENERAL

TEMPERATURE RANGE	-20°C + 55°C (Operational)
BANDWIDTH	25 KHz
MODULATION	AM
PORTS	DC12V Power Cable (1m) Antenna Cable (20m)
WATERPROOFING	IPX67
SENSITIVITY	3 dBuV/m (threshold of target bearing resolution)
FREQUENCIES	121.5 MHz, 121.65 MHz (Test 1), 121.775 (Test 2) (1m) Antenna Cable (20m)
CRITERIA OF EIT/PLB RECOGNITION	Audible AM down-swept tone (compliant to ITU-R M.690-2)
AUDIO OUTPUT	max. 8Vss (speaker > 8 Ohm)
RELAY CONTACT	Floating, carrying capacity max. 0.5 A/10W
CURRENT CONSUMPTION	Standby = 300mA Tracking = 850mA Alarming = 1300mA If alarm + ext. speaker (8 Ohm) = 400mA
OPERATING VOLTAGE	12V DC (with transient compliance to ISO 7637-2)
DISPLAY	7" TFT LCD display

APPROVALS

STANDARDS TESTED TO

ETSI EN 301 489-1 V1.5.1 (2004-11)

ETSI EN 301 489-22 V1.3.1 (2003-11)



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